

The Commonwealth of Massachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

STATE INFIRMARY

AT TEWKSBURY

FOR THE

YEAR ENDING NOVEMBER 30, 1929

DEPARTMENT OF PUBLIC WELFARE



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TRUSTEES' REPORT

To His Excellency the Governor, and the Honorable Council:

The trustees of the State Infirmary herewith submit the seventy-sixth annual report, for the year ending November 30, 1929.

On November 30, 1929, there were 2,696 inmates at the State Infirmary, this number comparing with 2,635 on November 30, 1928.

During the year ending November 30, 1929, the daily average number of patients was 2,567 as compared with 2,574 in the preceding year, a decrease in the daily average of 7.

Under Chapter 146, Acts of 1929, there was appropriated for the State Infirmary, the sum of \$1,007,100.00. In addition, \$16,063.44 of the unspent balance of the 1928 appropriation for expenses, was brought forward into 1929, making the total amount available for maintenance, \$1,023,163.44. This compares with \$977,364.13, the appropriation for the preceding year.

During the year there has been spent a total of \$991,673.58 which compares with \$954,866.95 in the preceding year, or an increase in expenditures in the recent fiscal year of \$46,806.63. This increase is slightly less than 5 per cent.

As required by law, we have turned back into the State Treasury, \$118,-

906.64 received for articles sold and for care of individual and municipal cases, leaving a net outlay of \$872,766.94. The net weekly per capita cost for the care of patients has been \$6.54.

The following is the amount expended during the fiscal year from Special Appropriations:

| | |
|---|-------------|
| Building for Male Inmates | \$14,462.34 |
| Laundry Equipment and Extension | 18,827.76 |
| Water Tower | 24,895.14 |
| Power House Equipment | 17,224.34 |

| | |
|-----------------|-------------|
| Total | \$75,409.58 |
|-----------------|-------------|

There was appropriated under Chapter 146, Acts of 1929, the following special appropriations:

| | |
|---|-------------|
| Maternity Ward | \$31,000.00 |
| Purchase of Land and Buildings | 2,000.00 |
| Land for Protection of Water Supply | 2,000.00 |

Items for which we requested that special appropriations be granted by the Legislature, with the estimated costs, were filed with the Commission on Administration and Finance, on October 15, 1929, as follows:

| | |
|---|-------------|
| Maternity Building (additional Appropriation) | \$20,000.00 |
| Extension Men's Hospital (80 beds) | 70,000.00 |
| Extension and Reinforcement of Laundry Building | 6,000.00 |
| Industrial Building | 45,000.00 |
| Storage Building | 24,200.00 |
| Land (Water supply protection) | 2,000.00 |
| Walks and Driveways | 4,000.00 |

| | |
|-----------------|--------------|
| Total | \$171,200.00 |
|-----------------|--------------|

The work of the trustees for the year has been interesting and, fortunately, without the necessity of considering or acting upon many problems that would tend to cause anxiety.

We still very much desire that a larger proportion of acute cases could be sent to the hospital where transportation did not carry with it any increased danger. This matter has been referred to in more detail in previous reports.

Taking advantage of expert advice which we received during a survey of the Institution, we have with the valued assistance of the Superintendent of the Hospital and the Superintendent of Nurses, increased the efficiency of the Institution and its value to the patients by alterations in routine that gives, in some of the more difficult wards, a smaller number of patients to be cared for by a given nurse. We have also endeavored to bring more together the cases requiring less constant or trained service in order that we might utilize to the highest point of efficiency the services of those specially trained in the care of those whose illnesses demand for their comfort much more care than could be given where the nurses' time was taken up necessarily, in some measure, by patients for whom a nurse of less experience, could, under proper direction, adequately care.

The manifest interest of the Governor of the Commonwealth in the work of Social Service has been a stimulus to our efforts, and the sympathetic readiness of the Commissioner of Public Welfare to aid us in solving problems that from time to time present themselves, has been highly appreciated. We begin the new year with increased courage and a renewed devotion to the service we have undertaken.

G. FORREST MARTIN, M.D., *Chairman*
 FRANCIS W. ANTHONY, M.D., *Vice-Chairman*
 NELLIE E. TALBOT
 D. D. SULLIVAN, N.E.T.
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 ROBERT G. STONE

SUPERINTENDENT'S REPORT

To the Trustees of the State Infirmary:

I have the honor of presenting to you the seventy-sixth annual report of the State Infirmary for the year beginning December 1, 1928, and ending November 30, 1929.

The records for 1929 show that during the year 5,365 people have been cared for, 3,648 males and 1,717 females — 66 more than the previous year, and at the end of the fiscal year there were 2,696 people in the institution, which is 61 more than the previous year. The largest daily census was 2,816, January 25, an increase of 58, and the smallest daily census was 2,375, July 22, which is 58 less. The daily average number of people was 2,567, or 7 less than in 1928.

The number of births was 110 — 61 males and 49 females, which is 15 less than the previous year. There were 537 deaths, — 490 in the general hospital and 47 in the department for the insane — 366 males and 171 females, which is 48 more than the previous year.

The expenditures for maintenance was \$991,673.58 — \$432,468.25 for salaries, \$559,205.33 general expenses. The weekly per capita cost was \$7.43.

The amount \$118,906.64 was received for the support of city, town and United States cases cared for at the Infirmary, for articles sold, etc., which leaves a net cost of \$872,766.94, for maintenance of the institution for the year, and a net weekly per capita cost of \$6.54.

Under the heading of special appropriations, \$75,409.58 was expended, as shown in detail in the financial report.

There were treated in the hospital wards, 4,433 diseases, of which 3,308 were males and 1,125 females. Of these, 858 were discharged well, 578 improved, 617 not improved, 490 died and 1,890 remained in the Infirmary. There were 47 diseases of the spinal cord; 271 cases of cardiac disease, 73 of feeble-mindedness, a decrease of 1,— 76 cases of mental disease; 11 of epilepsy; 125 of alcoholism, an increase of 10; 3 of erysipelas; 98 cases of syphilis, a decrease of 38; 138 of gonococcus infection; 79 cases of cancer, a decrease of 9; 491 of arteriosclerosis; 189 of respiratory system with 12 deaths; 214 of gastro-intestinal diseases with 20 deaths; 201 of the puerperal state; 164 of early infancy with 8 deaths; 59 of the genito-urinary tract, 12 deaths; 115 of skin and cellular tissues with 2 deaths; 119 of bones and joints; 551 of nervous system and organs of special sense, 39 deaths; 1,256 general diseases with 141 deaths; 881 diseases of the circulatory system with 230 deaths; 135 due to accident or external causes with 1 death.

Of the 490 deaths there were 96 due to tuberculosis of the lungs, 37 to cancer; 13 to spinal cord disorders, 64 to diseases of the heart; 161 to arteriosclerosis; 8 to pneumonia; 11 to chronic nephritis and 12 to enteritis.

There were very few infectious diseases, which follow: 11 cases of influenza, 57 measles, and 4 chicken pox. There were no cases of typhoid fever.

In the men's hospital are found a minor proportion of acute cases but the majority are aged patients suffering from some form of chronic disease, also quite a number of middle aged patients with chronic diseases such as chronic arthritis and also incurable diseases of the nervous system, chronic encephalitis and neurosyphilis, and a small number of congenital malformation cases who require life long hospital care.

The 427 hospital beds of the men's hospital are insufficient to care for the steadily increasing number of this type of patients. 2,468 patients were examined, recorded and classified in the receiving ward during the past year, and the majority of these were chronic cases as above described.

The wards of the men's hospital offer exceptional opportunities for the study of neurological, chronic arthritis and arteriosclerotic cases. Students from Harvard, Tufts and other colleges of the state make visits, at intervals, for the study of these diseases in our wards.

Fifty-five major surgical operations and over 300 minor surgical and accidental cases were cared for during the past year. Among the surgical

cases were 30 herniotomy operations successfully performed, 4 prostatectomies which make a series of fifteen prostatectomies with no mortality. Spinal anaesthesia is generally the method used for these operations. In the treatment of syphilis 65 full courses of treatment were given, each patient having eight injections intra-muscularly, of mercury salicylate, and eight intra-venous injections of sulpharsphenamine; one treatment of each weekly. Marked success has followed the Minot-Murphy liver treatment of cases of pernicious anaemia. We have a daily average of six diabetic patients taking insulin and diabetic treatment, who are taught the principles of this treatment and the technique of insulin treatment so that they can treat themselves in their own homes later.

The Monday afternoon eye clinic is attended frequently by forty patients. Many of these are refraction cases and glasses are provided as needed. The X-Ray clinic is increasing in attendance, two afternoons being devoted to this work.

The ten bed cancer ward has at times been inadequate. The co-operation of the Pondville Hospital has, as in previous years, continued for patients requiring radium, or deep therapy treatment.

After eight months of valuable service, Dr. Ranson Wells resigned to enter the post graduate Medical School in New York to study pathology.

On March 3, Dr. John Boda resigned as Junior assistant physician in the men's hospital to accept a position with the Ford Motor Company in Somerville.

On April 5, Dr. Ellsworth J. M. Dickson was appointed Junior Assistant in the men's hospital, and on July 15, Dr. John R. B. Fletcher, formerly of the Tufts College Medical School, and the Lowell General Hospital, was appointed to the position of junior assistant in this department.

In the women's hospital there is a continued need of beds for chronic cases, such as hemiplegia, it being difficult to find available beds for this type of patients. There were 128 cases of gonorrhea treated, an increase of 33 over last year, with an average of 74 days hospital residence per patient. Many of our patients having gonorrhea are also pregnant, which further complicates their care, and calls for specially rigid supervision following delivery. There were 98 cases of syphilis treated, a decrease of 23, with an average of 45 days per patient.

Forty-two major and 78 minor operations were performed, among which were 5 uterine dilatation and curetage, 13 appendectomies, 5 hysterectomies, 5 perineorrhaphies, 2 mastoidectomies, 4 salpomgectomies, 2 amputations of thigh, 2 laparotomies, 3 hemorrhoidectomies, 2 herniotomies, 3 oophorectomies, 3 uterine suspensions, 2 rib resections, 38 tonsillectomies and adenoidectomies, 15 circumcisions, 5 cystoscopies, 1 suprapubic cystotomy, 2 blood transfusions, 2 fistulae, 1 cholecystotomy, 1 removal of fibroid tumor of face and superfluous lower gum, 1 tracheotomy, 1 dilatation of rectum, 1 removal of lipoma from back, 1 amputation of breast.

In the obstetrical clinic there have been 91 normal deliveries, 13 forceps, 3 breech extractions, 2 version and extractions, and 1 of twins.

On February 26, Dr. Nelly C. Hameister was appointed to the staff as junior assistant with duties in the women's department.

In the department for tuberculosis, the total number treated was 470; classified as minimal 60; moderately advanced 96; far advanced 314. In the men's department 331 were admitted; and in the women's department 106. Eight were discharged as arrested; 120 relieved; 33 not relieved; 96 died, 67 males and 29 females. At the end of the fiscal year there were 186 in this department. In the non-pulmonary group which includes bovine and hilum types, there were 33, as follows:

| Tuberculosis: | Males | Females | Total |
|-----------------------------------|-------|---------|-------|
| Of the vertebral column | 8 | 1 | 9 |
| Of the peritoneum | 1 | 1 | 2 |
| Of the joints | 9 | 2 | 11 |
| Of the other organs | 7 | 4 | 11 |

Seven were discharged as relieved; 5 not relieved; one of the tuberculosis of the peritoneum cases and one tuberculosis of the spine, died. Under the classification of tuberculosis of other organs are included cases of lupus vulgaris and tuberculosis of the kidneys, mastoid, cornea and skin.

The number of men admitted has shown a slight decrease over that of the preceding year, but the number of women has increased, particularly in the younger group. Several of the children have been discharged to other institutions and to their homes. All of the non-pulmonary cases have improved under good hygiene and heliotherapy. During the past year four children under two years of age have died. They represent adult pulmonary tuberculosis which is a malignant disease in children of early life.

The surgical treatment for tuberculosis of the spine presented only one case for operation which was performed last April by Dr. Bracket. The recovery has been uneventful.

The statistics for the department for the insane are for the twelve months beginning October 1, 1928, and ending September 30, 1929.

There were 61 admissions; 51 as first admissions; 2 readmissions and 6 transfers from other hospitals for the insane. The daily average number of patients has been 792.7,—240 males and 552.7 females. There were 45 deaths, of these 22 were men and 23 women. Twelve were discharged from the books, 3 males and 9 females. One woman was discharged as well, 2 males and 5 females as improved; one male as unimproved; three women were transferred to other institutions for the insane, their condition being unchanged.

A constant effort is being made to keep as many of the mental cases employed as is possible, and during the last year an average of 145 men and 264 women were kept at some type of productive work. An especially strong effort is being made in this respect with a large group of apparently demented patients, mostly old cases of dementia præcox and mental disintegration. Many of our new admissions are feeble, 13 of the 30 men and 7 of the 23 women being afflicted with the degenerating process of old age and little or no help can be expected of them.

A slight increase over recent years was noted in the cases of alcoholic insanity, while but two new cases were due to syphilis.

The mental wards are constantly filled and it is now necessary to use other wards because of the overflow. On account of the increasing number of very feeble and aged male insane, increased hospital facilities in this section will soon be necessary.

Moving pictures, amateur theatricals, dances, sleigh-rides, auto rides and picnics have been provided as in other years and two excellent musical performances were given by the women. The corn roast, winter carnival and Hallowe'en dance are especially enjoyed by these patients.

In spite of the mildness of last winter, we were visited by a fairly severe and very contagious form of influenza which with pneumonia as a complication, caused 5 deaths and several cases of prolonged illness. There were 10 deaths from tuberculosis of the lungs, and it is interesting to note that eight of these were associated with dementia præcox. Only two deaths were due to syphilitic diseases. One death was due to a rare condition in which a gastric ulcer perforated, causing a localized abscess, which in turn perforated the diaphragm, causing empyema and collapse of the lung.

Extreme age and long residence is often attained by some of our patients here. One woman died this year at the age of 97 years, after a residence of 24 years, another at the age of 75, after a residence of 47 years. The last patient, a mute, was said to have been found in the woods with a kitten in her arms when a small child. No relatives were found and she was known as Kitty Woods. Many of our patients are from 75 to 90 years of age, and a hospital residence of 15 to 30 years is not uncommon.

The laboratory department has continued during the past year to render its usual diagnostic service in bacteriology, chemistry, pathology and serology, as well as endeavoring to meet all demands of unusual nature. Except

in a few instances the volume of work in each routine procedure shows an increase over the work of the preceding year.

The laboratory has been carrying out a series of experiments in the Kahn's Precipitin Test, and the Hinton Test as a diagnostic measure for the detection of syphilis in the blood.

A statistical list detailing the most important examinations follows:

Bacteriological examinations, 4,652; Wassermann test for syphilis (blood, and spinal fluids), 2,646; urine examinations (routine, quantitative, sugar and albumen-acetone, renal function), 8,337; blood examination, chemical, cystological, etc., 883; spinal fluid examination (cultures, cell count, globulin, colloidal gold reaction), 104; feces examinations, 125; gastric analysis, 62; guinea-pig inoculations, 84; milk examinations, 1,342; sputum examinations, 1,313; vaccines, 13; liver function test, 9; surgical specimens, 43; autopsies (including medico-legal), 51; other examinations, 136.

The summary of work for the year in the Dental department is as follows:

| | |
|--------------------------------------|-------|
| Chair patients | 1,235 |
| Plates | 125 |
| Partial plates with clasps | 2 |
| Plates repaired | 35 |
| Amalgam fillings | 205 |
| Cement fillings | 151 |
| Porcelain fillings | 127 |
| Extractions | 1,811 |
| Prophylaxis | 285 |
| Bridges | 2 |
| Bridgework repaired | 3 |
| Extractions with ether | 4 |
| Fractures | 3 |
| Treatments: | |
| Pyorrhea | 19 |
| Vincent's angina | 33 |
| Stomatitis | 27 |
| Temporary stopping | 165 |
| Post operative | 35 |
| Alveolar abscess | 16 |

The nursing department under the management of Mrs. McDonald continues its work which is always of inestimable value in all branches of the hospital service. The following changes in the nursing staff are noted: On July 5, Miss Grace Tebbetts, R.N., left to take a position as assistant superintendent of nurses at the Highland Park Hospital, Highland Park, Michigan. The vacancy was filled by Mrs. Mabel Blanchette, R.N. On July 1, Mrs. Emma Duggan resigned, and the vacancy was filled by Miss Helen Latour, R.N. On September 26 Mrs. Webb resigned, and the vacancy was filled by Miss Irene MacGowan, R.N. On September 3, Mrs. Yvonne Barrett resigned, and the vacancy was filled by Miss Ethel Brunnell, R.N. On November 15, Miss Lottie Desrosiers resigned, and the vacancy was filled by Miss Beatrice Marr, R.N. Miss Caroline Lappage was transferred from the men's hospital to take charge of the obstetrical department. Miss Hedwig Martin was appointed to take charge of the east ward of the men's hospital. One extra registered nurse has been added to the women's hospital, south end.

In the training school for nurses 797 hours were devoted to lectures by the medical staff, quizzes, recitations, demonstrations and laboratory work under the faithful direction of Mrs. Durgin and has continued to meet the ever increasing requirements of the Division of Registration in Nursing.

The graduating exercises were held in the chapel, September 18, Dr. G. Forrest Martin, Chairman of the Board, presiding. The address was given by Mr. Hugh J. Molloy, Superintendent of Schools of Lowell. Diplomas were presented by Mrs. Charles R. Talbot, Secretary of the Board of Trustees, to

12 nurses who had successfully completed the three years' course, as follows: Helen Frances Latour, Mabel Frances MacKenzie, Mary Elizabeth Scully, Roberta Muriel Bisbee, Mary Rita Hehir, Agnes Marjorie Marshall, Beatrice Leonore Marr, Rhoda Irene MacGowan, Beatrice Imelda Murphy, Ethel Mary Brunnelle, Alice Dominica Boyle, Margaret Mary Desmond. Eleven of these nurses have already become Registered Nurses.

The graduating class presented two silk flags, the national and state emblems, as a gift to the nurses hall.

There has been added for class room purposes, a new utility room with additional equipment, 42 new books, a model of female pelvis, one ear model, a large table with six gas plates and a large stove with three small ovens for the dietetic laboratory.

At the July meeting of the Board of Trustees it was voted that high school graduation would be a requisite for admission to the training school. During the first four months the preliminary students receive \$25 per month, and after that \$50 per month.

ONE YEAR COURSE FOR ATTENDANTS

The graduation exercises for the attendant nurses were held in the class room on December 27, 1928. The address was given by Dr. Theodore Stamas of Lowell, and certificates were presented by the Superintendent to the following attendant nurses: Wallie Marie Lemkie, Mary Frances Burns, Gertrude Cecele Sheehan, Katheryn Ann Glynn, Mary Kelley Moore, Mary Elizabeth Burns, Ella Mae Brown, Edna May Bernhard, Blanche Rockwell, Esther June Goldman, Irene Helen Lawless, Agnes Gertrude McHale, Mary Anne Tarpey, Dorothy Esther Holt, Corine Marie DeCarufel, Margaret Agnes Sullivan. Of the above number 5 remained for ward duty, 10 left to do private work and one entered the preliminary class for nurses.

On May 6, the hospital and nursing departments were saddened by the death of Miss Elsie Putnam Mayo, R.N., after a lingering illness. Miss Mayo was a graduate of the training school in the class of 1908. As an assistant in our nursing department, she has been one of the most devoted and sympathetic members of the nursing staff. For many years she was the night supervisor of the hospital department, and has been the instructress of the one year course for attendant nurses since the formation of that course. Miss Marion Blanchard was appointed to fill the vacancy caused by Miss Mayo's death, as assistant supervisor and instructress for the attendant nurses.

At the close of the year, there was a total of 181 in the nursing department, as follows: 31 registered nurses, 40 student nurses, 14 preliminary students, 17 graduate attendants, 16 attendants in training, 63 regular attendants.

The outstanding matter for report in relation to the farm, is that of our dairy herd, which consists of 160 head of stock, 129 pure bred and 31 grades all tuberculosis free, as follows: 103 cows, 22 heifers, 33 calves and 2 bulls. There were 998,425 lbs. of milk produced, or an average of 10,806 lbs. per cow, and the average butter fat was 3.63%.

There were 17,618 lbs. of beef slaughtered, 3,225 lbs. of veal, also 29,385 lbs. of pork and 4,788 lbs. poultry killed, and 10,604 dozens of eggs produced. Among the field crops, there were 620 tons of ensilage, 210 tons of English hay, 262 tons of green fodder, and 15 tons of oat fodder, 3,000 bushels of potatoes, 57 tons of cabbage and 800 barrels of apples. Included in the improvements of the farm are a new hog brooder house for 10 hogs, a new hen house, 7 filter beds resanded, 6 acres of land tilled and drained, 6 acres of scrub land cleared, a new wagon shed for 6 wagons built, and the Kelley and Moody barns repaired.

The new lodge for men was completed under the direction of the Engineering Department in the early part of the year. This building is of field stone, hollow tile and cement construction with a Truscon metal roof with celotex insulation. The long dimension of this building running north and south, is located on the edge of the hill, south and east of the building for male employees, and is planned in three sections, two of which serve as dormitories,

78 x 54 feet connected with a large intersecting living room 78 x 54 feet. This building has a capacity for 384 men and relieves us of more than one-half of the over-crowding which has existed for many years in the men's pavilion, and has made it possible to classify and arrange for the more rugged men in this new lodge called "Stoneroft," and separate them from the more aged and feeble patients remaining in the men's pavilion which is closely connected with the hospital department. Those who are able to work, render assistance, or act as helpers, are cared for in the new building.

A subway has been extended from the women's house to the Administration building. A foundation for a 250 kilowatt uniflow engine at the power plant has been laid, and a new switch-board installed, but progress in the work necessary for changing from the direct to an alternating system has been very much delayed by conditions which we do not control, which has also delayed installation of new laundry machinery to be operated by A. C. motors.

There has been steady progress in the general condition of repair of the institution in matters of roofing, painting, electrical and plumbing, with additional improvements in the lower floors of the Administration building, in the men's and in the women's departments.

In compliance with the provisions of section 3, chapter 29, of the General Laws, the following estimates for the coming year have been submitted:

| <i>Objects for which Appropriation is required</i> | <i>Estimates for Fiscal year, 1930</i> | <i>Last Appropriation</i> |
|--|--|-------------------------------|
| Personal services | \$501,680 | \$445,000 |
| Religious instruction | 2,300 | 2,200 |
| Travel, transportation and office expense | 5,800 | 5,900 |
| Food | 276,544 | 245,000 |
| Clothing and material | 65,000 | 65,000 |
| Heat, light and power | 58,050 | 60,000 |
| Medical and general care | 45,500 | 37,000 |
| Furnishings and household supplies | 52,000 | 46,000 |
| Farm | 40,000 | 44,000 |
| Garage, stable and grounds | 13,170 | 10,000 |
| Repairs, ordinary | 28,950 | 31,000 |
| Repairs and renewals | 38,718 | 16,000 |
| Total | \$1,127,712 | \$1,007,100 |

The seventy-fifth anniversary of the opening of the State Infirmery was observed on May 1, with a large gathering of officials and friends of the institution. His Excellency The Governor, and the Honorable Council, the Commission on Administration and Finance, the Commissioner and Associate Members of the Department of Public Welfare, and other officials, were the guests of the Board of Trustees at a luncheon served in the new building. At 2.30 P. M. the following exercises were held in the chapel:

| | |
|-------------------------|--------------------------|
| Organ Prelude | <i>Hail to the Chief</i> |
| Invocation | Rev. John Cummings |

Hymn—*Massachusetts*, by the choir, Mr. Horatius Leggat, directing.

Opening—Commissioner Conant presenting Dr. G. Forrest Martin, Chairman, Board of Trustees, as presiding officer.

Address—By His Excellency, The Governor, Honorable Frank G. Allen.

Addresses—By Commissioner, Richard K. Conant, Rev. Thomas Reynolds, Mr. John B. Tivan, Honorable Charles P. Howard.

| | |
|-----------------------|---------------------|
| Violin Solo | Mr. Amelio Rovelli |
| Solo | Mr. Horatius Leggat |
| Hymn | <i>America</i> |
| Accompanist | Mrs. Koebele |

To the Rev. Father McDermott, O. M. I., Superior of the Novitiate of the Oblate Fathers, and his successor, Rev. Father McQuade, O. M. I., the Rev. Father Wholey, O. M. I., Chaplain, and associates at the Novitiate, I wish to express appreciation in behalf of the Infirmary for continued devotion and attendance to the spiritual needs of our people here during the year.

To the Rev. John Cummings, the Protestant Chaplain, and to the Rev. Moses Sedar of the Jewish faith, I wish also to acknowledge my appreciation for their faithful attendance to the requirements of their special flocks.

I wish to acknowledge my obligations to all of those in the service at Tewksbury who have assisted me throughout the year in the daily routine and management of the Infirmary.

To the Commissioner of Public Welfare, the Director of Aid and Relief, and his assistants, I wish to acknowledge my indebtedness for advice, encouragement and assistance in relation to the many perplexing problems.

To the members of the Board of Trustees whom I have been privileged to serve for many years I am most truly grateful for their unfailing and sympathetic support, wisdom, counsel and direction, so generously given throughout the year.

Respectfully submitted,

JOHN H. NICHOLS,

Superintendent.

FINANCIAL REPORT

To the Trustees of the State Infirmery:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1929:

INCOME STATEMENT

| | |
|---|---------------------|
| Board of inmates | \$113,781 90 |
| Personal services: | |
| Receipts from the Board of Retirement | 371 21 |
| Sales | 4,063 43 |
| Interest on bank balances | 458 04 |
| Miscellaneous | 232 06 |
| Total income | \$118,906 64 |

MAINTENANCE

| | |
|--|-----------------------|
| Balance from previous year, brought forward | \$16,063 44 |
| Appropriation, Current year | 1,007,100 00 |
| Total | \$1,023,163 44 |
| Expenses (as analyzed below) | 991,673 58 |
| Balance reverting to treasury of Commonwealth | \$31,489 86 |

EXPENDITURES

| | Bills Passed for Payment | Actual Expense Basis |
|--|-----------------------------|-------------------------|
| Personal services | \$432,468 25 | \$432,468 25 |
| Food | 250,761 85 | 320,304 24 |
| Medical and general care | 39,778 96 | 40,685 20 |
| Farm | 43,624 93 | 42,268 18 |
| Heat, light and power | 51,608 40 | 55,142 78 |
| Garage, stable and grounds | 9,335 53 | 9,746 63 |
| Travel, transportation and office expenses | 5,430 94 | 5,455 70 |
| Religious instruction | 2,132 18 | 2,132 64 |
| Clothing and materials | 64,141 64 | 61,149 24 |
| Furnishings and household supplies | 50,359 98 | 53,208 84 |
| Repairs, ordinary | 30,009 89 | 29,945 99 |
| Repairs and renewals | 12,021 03 | 12,273 03 |
| Total | \$991,673 58 | \$1,064,780 72 |
| Supplies on hand December 1, 1928 | \$44,542 10 | |
| Supplies on hand November 30, 1929 | 46,383 65 | |
| Plus increase in supplies on hand | | 1,841 55 |
| | | \$1,066,622 27 |
| Less farm products transferred to supplies | \$65,499 46 | |
| Less cash discounts — maintenance | 9,449 23 | 74,948 69 |

Equals "Bills passed for payment" \$991,673 58

Total receipts and payments are in agreement with Comptroller's books of accounts.

WALTER S. MORGAN, *Comptroller*.

SPECIAL APPROPRIATIONS

| | Appropriation | Expended During Fiscal Year | Expended to Date | Balance |
|--|---------------|-----------------------------------|---------------------|-------------|
| Building for Male In- mates | \$35,500 00 | \$14,462 34 | \$35,446 04 | \$53 96 |
| Laundry Equip. and Extension | 20,000 00 | 18,827 76 | 18,827 76 | 1,172 24 |
| Water Tower | 27,500 00 | 24,895 14 | 27,421 07 | 78 93 |
| Power House Equipment | 30,000 00 | 17,224 34 | 17,224 34 | 12,775 66 |
| Maternity Ward | 31,000 00 | — | — | 31,000 00 |
| Purchase of Land and Building | 2,000 00 | — | — | 2,000 00 |
| Land for Protection of Water Supply | 2,000 00 | — | — | 2,000 00 |
| Totals | \$148,000 00 | \$75,409 58 | \$98,919 21 | \$49,080 79 |

PER CAPITA

During the year the average number of inmates has been 2,567.16.

Total cost for maintenance, \$991,673.58.

Equal to a weekly per capita cost of \$7.4286.

Institution income, \$118,906.64.

Net weekly per capita, \$6.5379.

Respectfully submitted,

JOHN H. NICHOLS, *Superintendent.*

VALUATION, NOVEMBER 30, 1929

REAL ESTATE

| | | |
|--------------------------------------|----------------|----------------|
| Buildings | \$2,045,608 68 | |
| Land and other real estate | 79,939 94 | |
| | | \$2,125,548 62 |

PERSONAL PROPERTY

| | |
|---|--------------|
| Travel, transportation and office expense | \$655 19 |
| Food | 22,561 15 |
| Clothing and materials | 62,744 35 |
| Furnishings and household supplies | 245,749 51 |
| Medical and general care | 28,429 34 |
| Heat, light and power | 5,030 74 |
| Farm | 59,454 11 |
| Garage, stable and grounds | 15,698 28 |
| Repairs, ordinary | 15,702 03 |
| Totals | \$456,024 70 |

STATISTICAL FORM FOR STATE INSTITUTIONS

(Prepared in accordance with a resolution of the National Conference of Charities and Correction, adopted May 15, 1906.)

Name of institution: STATE INFIRMARY.

Population

| | Males | Females |
|---|----------|---------|
| Number of inmates present at beginning of fiscal year | 1,587 | 1,048 |
| Number received during the year | 2,061 | 669 |
| Number discharged or died during the year | 2,010 | 659 |
| Number at end of fiscal year | 1,638 | 1,058 |
| Daily average attendance (i. e., number of inmates actually present) during the year | 1,526.76 | 1,040.4 |
| Average number of officers and employees during the year | 204.01 | 262.35 |

STATISTICAL STATEMENT

STATEMENT No. 1

Number in hospital December 1, 1928, 2,635; admitted during the year, 2,730; discharged during the year, 2,669; supported during the year, 5,365; deaths during the year 537; births during the year, 107; weekly average, 2,567; present number, 2,696.

Of the 2,730 admitted during the twelve months ending November 30, 1929, there were from: Boston, 1,283; Lowell, 129, births, 107; Tewksbury, 102; Worcester, 96; Lawrence, 85; Springfield, 57; Fall River, 53; Chelsea, 45; Lynn, 43; Industrial School, Lancaster, 29; New Bedford, 23; Malden, 22; Haverhill, Sherborn Reformatory, 21 each, 42; Everett, 18; Medford, Woburn, 16 each, 32; Salem, Somerville, Wilmington, 15 each, 45; Cambridge, 13; Andover, Holyoke; Industrial School, Westborough, Methuen, Pittsfield, 12 each, 60; Taunton S. H. 11; Peabody, 10; Attleboro, Amesbury, Blackstone, Greenfield, Saugus, 9 each, 45; Beverly, Quincy, Newburyport, 8 each, 24; Braintree, Framingham, Hudson, Milford, Revere, Weymouth, 7 each, 42; Brockton, Billerica, Dalton, Waltham, Wakefield, Watertown, 6 each, 42; Bedford, Danvers, Fitchburg, Melrose, Natick, Westford, 5 each, 30; Belmont, Belchertown, S.C., Chelmsford, Gardner, Industrial School, Shirley, Lexington, Northampton, No. Reading, Swampscott, Taunton, Winchendon, Wrentham S.C., 4 each, 52; Ayer, Arlington, Abington, Bridgewater, Falmouth, Maynard, Millville, Mansfield, No. Andover, Pondville Hospital, Randolph, Sudbury, State Farm, Stoughton, Salisbury, Uxbridge, Westfield, Worcester S. H., Wellesley, Walpole, 3 each, 60; Adams, Athol, Auburn, Acton, Ashland, Bourne, Chicopee, Georgetown, Groton, Leominster, Medway, Manchester, Milton, Marlborough, No. Adams, Norwester, Northbridge, Newton, No. Brookfield, Needham, Scituate, Sherborn, Southbridge, Sutton, Webster, Wrentham, Whitman, Williamstown, Walter E. Fernald S.C., 2 each, 58; Acushnet, Agawam, Avon, Amherst, Ashburnham, Brookline, Barnstable, Bellingham, Burlington, Boston S. H., Brewster, Boarding Out, Clinton, Concord, Carver, Cohasset, Dracut, Dunstable, Duxbury, Franklin, Fairhaven, Gloucester, Groveland, Gayhead, Greenfield Jail, Hadley, Holliston, Hardwick, Hanover, Hatfield, Hull, Huntington, Lakefield Sanatorium, Lynnfield, Mattapoisett, Merrimack, Millbury, Monson S. H., Medfield, Middleborough, Meriden, No. Attleboro, Newbury, Nahant, New Braintree, Oxford, Oakham, Palmer, Pepperell, Pelham, Rockport, Rockland, Rowley, So. Sudbury, Stoneham, Suffolk County Jail, Seekonk, Somerset, Sharon, Templeton, Tyngsborough, Turner Falls, Westborough, Wareham, Westborough S. H., Weston, W. Stockbridge, Whately, W. Boylston, W. Springfield, Wayland, 1 each, 72.

The following table indicates the number each month, also sex and age:

| | Totals | Males | Females | Under 10 | 10 to 20 | 20 to 30 | 30 to 40 | 40 to 50 | 50 to 60 | 60 to 70 | 70 to 80 | 80 to 90 | Over 90 |
|---------------------|--------|-------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| 1928 | | | | | | | | | | | | | |
| December | 254 | 198 | 56 | 14 | 11 | 26 | 27 | 34 | 53 | 59 | 21 | 9 | 0 |
| 1929 | | | | | | | | | | | | | |
| January | 295 | 245 | 50 | 22 | 13 | 30 | 15 | 41 | 66 | 64 | 36 | 7 | 1 |
| February | 144 | 111 | 33 | 10 | 6 | 19 | 10 | 18 | 33 | 31 | 15 | 2 | 0 |
| March | 183 | 130 | 53 | 13 | 11 | 29 | 19 | 19 | 32 | 38 | 14 | 4 | 1 |
| April | 190 | 140 | 50 | 21 | 8 | 26 | 17 | 29 | 37 | 36 | 15 | 1 | 0 |
| May | 215 | 143 | 72 | 22 | 7 | 33 | 18 | 20 | 30 | 54 | 25 | 5 | 1 |
| June | 197 | 140 | 57 | 18 | 7 | 16 | 19 | 23 | 36 | 50 | 23 | 5 | 0 |
| July | 194 | 154 | 40 | 17 | 12 | 21 | 10 | 18 | 31 | 52 | 25 | 8 | 0 |
| August | 216 | 164 | 52 | 20 | 12 | 23 | 22 | 22 | 31 | 51 | 31 | 3 | 1 |
| September | 224 | 171 | 53 | 22 | 23 | 16 | 16 | 22 | 32 | 48 | 41 | 4 | 0 |
| October | 252 | 188 | 64 | 15 | 10 | 21 | 15 | 28 | 53 | 67 | 37 | 5 | 1 |
| November | 366 | 277 | 89 | 26 | 24 | 41 | 36 | 51 | 76 | 77 | 28 | 7 | 0 |
| Totals | 2,730 | 2,061 | 669 | 223 | 144 | 301 | 224 | 325 | 510 | 627 | 311 | 60 | 5 |

STATEMENT No. 2

Nativity of Inmates

Massachusetts, 970; Ireland, 458; British Provinces, 329; Maine, 113; England, 95; New York, 91; New Hampshire, 63; Italy, 53, Vermont, 48; Connecticut, 44; Rhode Island, 42; Russia, Scotland, 39 each, 78; Sweden, 32; Greece, 29; Poland, 25, Unknown, 21; Finland, Pennsylvania, 18 each, 36; Portugal, 16; New Jersey, Virginia, 12 each, 24; Lithuania, 11; Georgia, Germany, Illinois, Missouri, Turkey, 10 each, 50; Austria, 9; Armenia, 8; France, Ohio, 6 each, 12; Denmark, Maryland, 5 each, 10; Kentucky, Norway, Delaware, 4 each, 12; Arkansas, Cape Verde Islands, China, Iowa, Mississippi, North Carolina, South Carolina, Syria, Wisconsin, 3 each, 27; Indiana, Michigan, Minnesota, West Indies, 2 each, 8; Albania, Azores, Brazil, Born at Sea, District of Columbia, Florida, Hungary, Hawaiian Islands, Japan, Maderia Islands, Philippine Islands, Russia, Poland, Switzerland, Serbia, Tennessee, Wales, 1 each, 16.

MATERNITY TABLE

| Months | | | | Stillborn. | | Living Births. | | | Birthplaces of Mothers | | | | | |
|-----------|--------|-------|---------|------------|---------|----------------|---------|---|------------------------|---------------|---------|-------------------|-----------------|--------|
| | Totals | Males | Females | Males | Females | Males | Females | | Twins | United States | Ireland | British Provinces | Other Countries | Totals |
| | | | | | | | | | | | | | | |
| 1928 | | | | | | | | | | | | | | |
| December | 6 | 6 | - | - | - | 6 | - | - | 5 | - | 1 | - | 6 | |
| 1929 | | | | | | | | | | | | | | |
| January | 12 | 6 | 6 | - | - | 6 | 6 | - | 9 | - | 3 | - | 12 | |
| February | 9 | 4 | 5 | 1 | - | 3 | 5 | - | 5 | 1 | 3 | - | 9 | |
| March | 9 | 5 | 4 | - | - | 5 | 4 | - | 4 | 2 | 1 | - | 9 | |
| April | 11 | 4 | 7 | - | - | 4 | 7 | - | 6 | 1 | 2 | - | 11 | |
| May | 15 | 8 | 7 | - | - | 8 | 7 | - | 14 | - | 1 | - | 15 | |
| June | 8 | 5 | 3 | - | - | 5 | 3 | - | 6 | - | 1 | 1 | 8 | |
| July | 9 | 7 | 2 | - | - | 7 | 2 | - | 5 | - | 4 | - | 9 | |
| August | 11 | 5 | 6 | - | 1 | 5 | 5 | - | 7 | 1 | 3 | - | 11 | |
| September | 10 | 5 | 5 | 1 | - | 4 | 5 | 1 | 10 | - | - | - | 10 | |
| October | 5 | 3 | 2 | - | - | 3 | 2 | - | 3 | 1 | - | 1 | 5 | |
| November | 5 | 3 | 2 | - | - | 3 | 2 | - | 5 | - | - | - | 5 | |
| Totals | 110 | 61 | 49 | 2 | 1 | 59 | 48 | 1 | 79 | 6 | 19 | 6 | 110 | |

TABLE OF DISEASES

| Detailed Int. List No. | Diseases | Patients | | | Discharged | | | | Still in Institution |
|---|--|----------|-------|---------|------------|----------|-----------------|------|-------------------------|
| | | Totals | Males | Females | Well | Relieved | Not Relieved | Died | |
| General Diseases | | | | | | | | | |
| 7 | Measles | 57 | 29 | 28 | 50 | - | - | 7 | - |
| 11 | Influenza | 11 | 10 | 1 | 10 | - | - | - | 1 |
| 21 | Erysipelas | 3 | 3 | - | 3 | - | - | - | - |
| 25 | Chicken Pox | 4 | 4 | - | 4 | - | - | - | - |
| 26 | Encephalitis lethargica | 6 | 5 | 1 | - | 1 | 5 | - | - |
| 31 | Tuberculosis of the respiratory system | 437 | 331 | 106 | - | 120 | 35 | 96 | 186 |
| 33 | Tuberculosis, peritoneum | 2 | 1 | 1 | - | 1 | - | 1 | - |
| 34 | Tuberculosis of vertebral column | 9 | 8 | 1 | - | 1 | 2 | 1 | 5 |
| 35 | Tuberculosis of the joints | 11 | 7 | 4 | - | 2 | 3 | - | 6 |
| 36 | Tuberculosis of the other organs | 11 | 9 | 2 | - | 3 | - | - | 8 |
| 38a | Syphilis, primary and secondary | 24 | 10 | 14 | 2 | 4 | 2 | 1 | 15 |
| 38b | Syphilis, tertiary | 32 | 20 | 12 | 3 | 12 | 4 | - | 13 |
| 38c | Syphilis, congenital | 14 | 10 | 4 | - | 3 | 4 | 1 | 6 |
| 38d | Syphilis, latent | 28 | 26 | 2 | 3 | 14 | 2 | - | 9 |
| 40 | Gonococcus infectious | 138 | 60 | 78 | 52 | 21 | 5 | - | 60 |
| 43 | Cancer, buccal cavity | 19 | 19 | - | 1 | - | 7 | 5 | 6 |
| 44 | Cancer, stomach and liver | 18 | 15 | 3 | - | - | 5 | 9 | 4 |
| 45 | Cancer, intestines and peritoneum | 8 | 6 | 2 | - | - | - | 7 | 1 |
| 46 | Cancer, female genital organs | 4 | - | 4 | - | - | 1 | 1 | 2 |
| 47 | Cancer, breast | 4 | - | 4 | - | 1 | - | 1 | 2 |
| 48 | Cancer, skin | 16 | 13 | 3 | 4 | - | 1 | 6 | 5 |
| 49b | Cancer, lung | 4 | 3 | 1 | - | - | - | 3 | 1 |
| 49c | Cancer, bladder | 1 | 1 | - | - | - | - | 1 | - |
| 49d | Cancer, larynx | 5 | 5 | - | - | - | - | 4 | 1 |
| 50 | Benign tumors | 11 | 6 | 5 | 1 | 1 | 4 | 2 | 3 |
| 52 | Chronic rheumatism, osteoarthritis | 228 | 200 | 28 | - | 91 | 24 | - | 113 |
| 57 | Diabetes mellitus | 23 | 16 | 7 | - | 9 | - | 5 | 9 |
| 58a | Pernicious anemia | 6 | 2 | 4 | - | 3 | - | 2 | 1 |
| 58b | Other anemias | 4 | 2 | 2 | 3 | - | - | - | 1 |
| 60b | Other diseases of the thyroid | 2 | - | 2 | - | - | - | - | 2 |
| 65a | Leukemia | 2 | 2 | - | - | - | 1 | 1 | - |
| 66 | Alcoholism | 125 | 125 | - | 111 | - | - | 1 | 13 |
| 68 | Drug habit | 2 | 1 | 1 | - | - | 1 | - | 1 |
| 69 | Purpura hemorrhagica | 1 | - | 1 | - | - | - | 1 | - |
| Diseases of the Nervous System and Organs of Special Sense | | | | | | | | | |
| 70 | Encephalitis | 8 | 7 | 1 | - | - | 1 | 1 | 6 |
| 72 | Tabes dorsalis | 31 | 26 | 5 | - | 4 | 10 | 8 | 9 |
| 73 | Other diseases of the spinal cord | 16 | 14 | 2 | - | 2 | 8 | 5 | 1 |
| 74 | Cerebral hemorrhage | 35 | 26 | 9 | - | 1 | 1 | 18 | 15 |
| 75 | Hemiplegia | 104 | 83 | 21 | - | 9 | 7 | - | 88 |
| 76 | General paralysis of the insane | 1 | 1 | - | - | - | - | - | 1 |
| 77 | Other forms of mental alienation | 76 | 37 | 39 | - | 6 | 36 | - | 34 |
| 78 | Epilepsy | 11 | 8 | 3 | - | 1 | 6 | - | 9 |
| 81 | Chorea | 18 | 9 | 9 | - | 8 | 1 | - | 9 |
| 82 | Neuralgia and neuritis | 31 | 28 | 3 | 1 | 15 | 2 | - | 13 |
| 84a | Other diseases of the nervous system | 70 | 52 | 18 | - | 8 | 7 | 7 | 48 |
| 84b | Feeble minded | 73 | 38 | 35 | - | - | 19 | - | 54 |
| 85 | Diseases of eye and annexa | 66 | 57 | 9 | 4 | 4 | 16 | - | 42 |
| 86 | Diseases of ear | 16 | 16 | - | 1 | 9 | 2 | - | 4 |
| Diseases of the Circulatory System | | | | | | | | | |
| 88 | Endocarditis, myocarditis | 234 | 192 | 42 | - | 37 | 36 | 64 | 97 |
| 89 | Angina pectoris | 4 | 3 | 1 | - | 2 | 1 | - | 1 |
| 90 | Other diseases of the heart | 32 | 26 | 6 | - | 15 | 16 | - | 1 |
| 91 | Diseases of the arteries: | | | | | | | | |
| | a. Aneurysm | 1 | 1 | - | - | - | - | 1 | - |
| | b. Arteriosclerosis | 492 | 393 | 99 | - | 13 | 204 | 164 | 111 |
| | c. Other diseases of the arteries | 1 | 1 | - | - | - | - | 1 | - |
| 92 | Embolism, thrombosis | 1 | 1 | - | - | - | - | 1 | - |
| 93a | Diseases of the veins | 51 | 50 | 1 | 7 | 10 | 27 | - | 7 |
| 93b | Varicose ulcers | 66 | 54 | 12 | 4 | 8 | 8 | - | 46 |
| Diseases of the Respiratory System | | | | | | | | | |
| 97 | Diseases of the nasal fossae | 1 | 1 | - | - | - | 1 | - | - |
| 99a | Acute bronchitis | 38 | 36 | 2 | 29 | 7 | 1 | 1 | - |
| 99b | Chronic bronchitis | 68 | 65 | 3 | 2 | 23 | 6 | - | 37 |
| 100 | Broncho-pneumonia | 3 | 2 | 1 | 1 | 1 | - | 1 | - |
| 101 | Lobar pneumonia | 14 | 12 | 2 | 7 | - | - | 7 | - |
| 102 | Pleurisy | 20 | 18 | 2 | 1 | 9 | - | - | 10 |
| 104 | Abscess of lung | 9 | 8 | 1 | - | 3 | - | 3 | 3 |
| 105 | Asthma | 31 | 29 | 2 | - | 15 | 3 | - | 13 |
| 107 | Other diseases of the respiratory system | 5 | 4 | 1 | - | 2 | 3 | - | - |

TABLE OF DISEASES — *Continued*

| Detailed Int. List No. | Diseases | Patients | | | Discharged | | | | Still in Institution |
|--|--|----------|-------|---------|------------|----------|-----------------|------|-------------------------|
| | | Totals | Males | Females | Well | Relieved | Not Relieved | Died | |
| <i>Diseases of the Digestive System</i> | | | | | | | | | |
| 108 | Diseases of the mouth | 6 | 6 | — | 3 | 1 | 1 | — | 1 |
| 109 | Diseases of the pharynx and tonsils | 9 | 8 | 1 | 5 | 2 | — | — | 2 |
| 111 | Ulcer of the stomach and duodenum | 8 | 7 | 1 | — | 4 | 2 | 2 | — |
| 112 | Other diseases of the stomach | 20 | 20 | — | — | 5 | 2 | — | 13 |
| 113 | Diarrhea and enteritis (under 2 years) | 13 | 8 | 5 | — | 1 | — | 12 | — |
| 114 | Diarrhea and enteritis (over 2 years) | 12 | 12 | — | 2 | 4 | — | — | 6 |
| 117 | Appendicitis | 4 | 2 | 2 | 2 | 1 | — | 1 | — |
| 118 | Hernia | 92 | 82 | 10 | 10 | 6 | 30 | 4 | 42 |
| 119 | Other diseases of the intestines | 13 | 12 | 1 | 1 | 4 | 2 | — | 6 |
| 122 | Cirrhosis of the liver | 2 | 1 | 1 | — | 1 | — | 1 | — |
| 124 | Other diseases of the liver | 3 | 2 | 1 | 1 | 2 | — | — | — |
| 127 | Other diseases of the digestive system | 32 | 31 | 1 | 10 | 13 | 3 | — | 6 |
| <i>Non-Venereal Diseases of the Genito-Urinary System and Annexa</i> | | | | | | | | | |
| 129 | Chronic nephritis | 21 | 15 | 6 | — | 3 | 2 | 11 | 5 |
| 131 | Other diseases of the kidneys and annexa | 7 | 6 | 1 | — | 1 | 1 | — | 5 |
| 135 | Diseases of the prostate | 10 | 10 | — | 3 | 2 | 2 | 1 | 2 |
| 136 | Non-venereal diseases | 18 | 15 | 3 | 4 | 5 | 3 | — | 6 |
| 138 | Salpingitis | 3 | — | 3 | 2 | 1 | — | — | — |
| 141 | Other diseases of the female generative organs | 2 | — | 2 | 1 | 1 | — | — | — |
| <i>The Puerperal State</i> | | | | | | | | | |
| 143a | Pregnancy | 137 | — | 137 | 110 | — | 3 | — | 24 |
| 143b | Convalescent parturition | 64 | — | 64 | 35 | — | — | — | 29 |
| <i>Diseases of the Skin and Cellular Tissue</i> | | | | | | | | | |
| 151 | Gangrene | 3 | 3 | — | — | 1 | — | — | 2 |
| 153 | Acute abscess | 1 | 1 | — | 1 | — | — | — | — |
| 153b | Scabies | 4 | 3 | 1 | 2 | 1 | — | — | 1 |
| 154 | Other diseases of the skin and annexa | 106 | 96 | 10 | 38 | 28 | 5 | 1 | 34 |
| <i>Diseases of the Bones and Organs of Locomotion</i> | | | | | | | | | |
| 155 | Diseases of the bones and joints | 100 | 93 | 7 | 22 | 9 | 12 | 1 | 56 |
| 158 | Other diseases of the organs of locomotion | 19 | 19 | — | 3 | 6 | 6 | — | 4 |
| <i>Malformations</i> | | | | | | | | | |
| 159a | Hydrocephalus | 8 | 6 | 2 | — | — | — | 3 | 5 |
| 159b | Spina bifida | 3 | — | 3 | — | — | 2 | — | 1 |
| 159c | Congenital idiocy | 6 | 2 | 4 | — | — | 2 | 4 | — |
| 159d | Others under this title | 2 | — | 2 | — | — | — | 2 | — |
| <i>Early Infancy</i> | | | | | | | | | |
| 161b | Stillborn | 3 | 1 | 2 | — | — | — | 3 | — |
| 161a | Prematurity | 5 | 2 | 3 | — | — | — | 5 | — |
| 162a | Infancy | 176 | 85 | 91 | 120 | — | — | — | 56 |
| 162b | Malnutrition | 10 | 5 | 5 | 2 | 3 | — | — | 5 |
| <i>Old Age</i> | | | | | | | | | |
| 164 | Senility | 357 | 295 | 62 | — | 5 | 3 | — | 349 |
| <i>External Causes</i> | | | | | | | | | |
| 179 | Accidental burns | 1 | 1 | — | 1 | — | — | — | — |
| 187 | Accidental traumatism by machines | 2 | 2 | — | 1 | — | — | 1 | — |
| 193a | Frost bites | 2 | 2 | — | 1 | — | — | — | 1 |
| 201a | Fractures and dislocations | 78 | 69 | 9 | 34 | 5 | 8 | — | 31 |
| 201b | Sprains | 12 | 12 | — | 10 | 2 | — | — | — |
| 202 | Contusions and abrasions | 40 | 37 | 3 | 26 | 3 | — | — | 11 |
| <i>Ill-Defined Diseases</i> | | | | | | | | | |
| 206 | No disease | 122 | 90 | 32 | 63 | — | — | — | 59 |
| | Totals | 4,433 | 3,308 | 1,125 | 817 | 619 | 617 | 490 | 1,890 |

TABLE OF DEATHS

| Detailed Int. List No. | Causes of Death | Totals | Males | Females | Table of Ages | | | | | | | | | | | |
|---------------------------|--|--------|-------|---------|-----------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | | | Under 1 Year | 1-5 | 5-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 |
| 7 | Measles | 7 | 3 | 4 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| 31 | Tuberculosis of the respiratory system | 96 | 69 | 27 | 4 | - | - | 4 | 22 | 24 | 22 | 10 | 7 | 3 | - | - |
| 33 | Tuberculosis of the peritoneum | 1 | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - | - |
| 34 | Tuberculosis of the vertebral column | 1 | 1 | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| 38a | Syphilis, primary | 1 | - | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - |
| 38b | Syphilis, congenital | 1 | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| 43 | Cancer, buccal cavity | 5 | 5 | - | - | - | - | - | - | - | 1 | - | 1 | 2 | 1 | - |
| 44 | Cancer, stomach and liver | 9 | 7 | 2 | - | - | - | - | - | - | 1 | 5 | 4 | 1 | 1 | - |
| 45 | Cancer, intestines and peritoneum | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 5 | 1 | 1 | - |
| 46a | Cancer, female genital organs | 1 | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - |
| 47 | Cancer, breast | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 48 | Cancer, skin | 6 | 5 | 1 | - | - | - | - | 1 | - | 1 | - | 1 | 2 | 2 | - |
| 49b | Cancer, lung | 3 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 1 | 2 | 2 | - |
| 49c | Cancer, bladder | 1 | 1 | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - |
| 49d | Cancer, larynx | 4 | 4 | - | - | - | - | - | - | - | - | 1 | 3 | - | - | - |
| 50 | Benign tumors | 2 | 1 | 1 | - | - | - | 1 | 1 | - | - | - | - | - | - | - |
| 57 | Diabetes mellitus | 5 | 3 | 2 | - | - | - | - | - | - | 2 | 2 | - | 1 | - | - |
| 58 | Anemia, pernicious | 2 | - | 2 | - | - | - | - | - | - | 2 | 2 | - | - | - | - |
| 65 | Leukemia | 1 | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| 66 | Alcoholism | 1 | 1 | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - |
| 69 | Purpura hemorrhagica | 1 | - | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - |
| 70 | Encephalitis | 1 | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - |
| 72 | Tabs Dorsalis | 8 | 5 | 3 | - | - | - | - | 1 | - | - | 2 | 5 | - | - | - |
| 73 | Other diseases of the spinal cord | 5 | 5 | - | 1 | - | - | - | - | - | - | 2 | 2 | - | - | - |
| 74 | Cerebral hemorrhage | 18 | 13 | 5 | - | - | - | 1 | 1 | - | 2 | 1 | 8 | 6 | - | - |
| 84 | Other diseases of the nervous system | 7 | 5 | 2 | - | - | 1 | 1 | - | 2 | 2 | 2 | 1 | 1 | - | - |
| 90 | Endocarditis, myocarditis | 64 | 50 | 14 | - | - | - | 2 | 2 | 4 | 3 | 18 | 15 | 16 | 4 | - |
| 91 | Diseases of the arteries: | | | | | | | | | | | | | | | |
| | a. Aneurysm | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| | b. Arteriosclerosis | 164 | 115 | 49 | - | - | - | - | - | - | 1 | 8 | 38 | 70 | 38 | 9 |
| | c. Other diseases of the arteries | 1 | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| 92 | Embolism and thrombosis | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| 99 | Bronchitis | 1 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| 100 | Broncho-pneumonia | 1 | - | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - |
| 101 | Lobar-pneumonia | 7 | 4 | 3 | - | 1 | - | - | - | 1 | - | 4 | 1 | - | - | - |
| 104 | Abscess of lung | 3 | 2 | 1 | - | - | 1 | - | - | 1 | 1 | - | - | - | - | - |
| 111 | Ulcer stomach and duodenum | 2 | 1 | 1 | - | - | - | - | - | - | 1 | - | 1 | - | - | - |
| 113 | Diarrhea and enteritis (under 2 yrs.) | 12 | 7 | 5 | 12 | - | - | - | - | - | - | - | - | - | - | - |
| 117 | Appendicitis | 1 | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| 118a | Hernia strangulated | 4 | 3 | 1 | - | - | - | - | - | 1 | 1 | 2 | - | - | - | - |
| 122 | Cirrhosis of the liver | 1 | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| 129 | Chronic nephritis | 11 | 7 | 4 | - | - | - | - | - | - | 5 | 1 | 3 | 2 | - | - |
| 135 | Diseases of the prostate | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| 154 | Cellulitis | 1 | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - |
| 155 | Diseases of the bones | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| 159 | Congenital Malformations: | | | | | | | | | | | | | | | |
| | a. Congenital hydrocephalus | 3 | 3 | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - |
| | c. Congenital idiocy | 4 | 2 | 2 | - | 2 | 2 | - | - | - | - | - | - | - | - | - |
| | d. Others under this title | 2 | - | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| 161a | Prematurity | 5 | 2 | 3 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| 161b | Stillborn | 3 | 1 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - |
| 187 | Accidental traumatism by auto | 1 | 1 | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| | Totals | 490 | 345 | 145 | 36 | 6 | 4 | 10 | 30 | 32 | 44 | 64 | 101 | 107 | 47 | 9 |

STATISTICAL TABLES

AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL ASSOCIATION
 PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1.— *General Information*

| | | | | | |
|----|---|-------|---------|-------------|----|
| 1. | Date of opening as an institution for the insane: 1856. | | | | |
| 2. | Type of institution: State. | | | | |
| 3. | Hospital plant: | | | | |
| | Value of hospital property: | | | | |
| | Real estate, including buildings | | | \$2,125,548 | 62 |
| | Personal property | | | 456,024 | 70 |
| | Total | | | \$2,581,573 | 32 |
| | Total acreage of hospital property, 794. ¹ | | | | |
| | Acreage under cultivation during year, | | | | |
| 4. | Medical service: | | | | |
| | | Men. | Women | Totals | |
| | Superintendents | 1 | — | 1 | |
| | Assistant physicians | 12 | 2 | 14 | |
| | Medical internes | — | — | — | |
| | Clinical assistants | — | — | — | |
| | Total physicians | 13 | 2 | 15 | |
| 5. | Employees: ² | | | | |
| | | Males | Females | Totals | |
| | Graduate nurses | 3 | 31 | 34 | |
| | Other nurses and attendants | 50 | 154 | 204 | |
| | Social workers | — | — | — | |
| | All other employees | 142 | 89 | 231 | |
| | Total physicians and employees | 208 | 276 | 484 | |
| 6. | Percentage of patients employed during year | Men | Women | Totals | |
| | The above table includes the entire institution. | — | — | — | |

TABLE 2.— *Financial Statement*

See treasurer's report for data requested under this table.

¹ Includes grounds, farm and garden and sites occupied by buildings.

² Not including physicians.

TABLE 3.— *Movement of Insane Patient Population for the year ended September 30, 1929*

| | Insane | | |
|--|--------|-----|-----|
| | M | F | T |
| 1. Insane patients on books of hospital at beginning of hospital year: | | | |
| (a) In hospital | 238 | 554 | 792 |
| (b) On parole or otherwise absent | 5 | 7 | 12 |
| Total | 243 | 561 | 804 |
| 2. Admissions during year: | | | |
| (a) First admissions | 30 | 23 | 53 |
| (b) Readmissions | 1 | 1 | 2 |
| (c) Transfers from other hospitals for mental diseases | 1 | 5 | 6 |
| 3. Total received during year | 32 | 29 | 61 |
| 4. Total on books during year | 275 | 590 | 865 |
| 5. Discharged from books during year: | | | |
| (a) As recovered | — | 2 | 2 |
| (b) As improved | 1 | 3 | 4 |
| (c) As unimproved | 2 | 1 | 3 |
| (d) As without psychosis | — | — | — |
| (e) Transferred to other hospitals for mental diseases | — | 3 | 3 |
| (f) Died during year | 22 | 23 | 45 |
| 6. Total discharged, transferred and died during year | 25 | 32 | 57 |
| 7. Insane patients remaining on books of hospital at end of hospital year: | | | |
| (a) In hospital | 239 | 549 | 788 |
| (b) On parole or otherwise absent | 11 | 9 | 20 |
| Total | 250 | 558 | 808 |

TABLE 4.— *Nativity of First Admissions and of Parents of First Admissions*

| Nativity | Patients | | | Parents of Male Patients | | | Parents of Female Patients | | |
|-----------------|----------|----|----|--------------------------|---------|--------------|----------------------------|---------|--------------|
| | M | F | T | Fathers | Mothers | Both Parents | Fathers | Mothers | Both Parents |
| United States | 11 | 10 | 21 | 6 | 6 | 5 | 4 | 4 | 3 |
| Belgium | — | — | — | 1 | 1 | 1 | — | — | — |
| Canada* | 4 | 5 | 9 | 1 | 4 | 1 | 7 | 7 | 6 |
| England | — | 1 | 1 | 1 | — | — | 2 | 3 | 2 |
| Finland | 1 | — | 1 | 1 | 1 | 1 | — | — | — |
| France | 1 | — | 1 | — | — | — | — | — | — |
| Germany | — | — | — | 1 | — | — | — | — | — |
| Ireland | 9 | 4 | 13 | 13 | 11 | 11 | 5 | 4 | 4 |
| Italy | — | — | — | — | — | — | 1 | 1 | 1 |
| Portugal | — | 1 | 1 | — | — | — | 1 | 1 | 1 |
| Russia | 1 | — | 1 | 1 | 1 | 1 | — | — | — |
| Sweden | 1 | — | 1 | 1 | 1 | 1 | — | — | — |
| Other countries | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| Unascertained | — | — | — | 2 | 3 | 2 | 1 | 1 | 1 |
| Total | 30 | 23 | 53 | 30 | 30 | 25 | 23 | 23 | 20 |

* Includes Newfoundland.

TABLE 4a— *Age of First Admissions Classified with Reference to Nativity, and Length of Residence in the United States of the Foreign Born*

| Age Groups | Aggregate | | | Native Born | | | | | | | | | | | | Foreign Born | | | | | |
|-------------------|-----------|----|----|-------------|-----------|----|--------------|---|-------|---|-------------------------|---|-------|--------------------------------|---|--------------|---|---|--|--|--|
| | | | | Total | Parentage | | | | | | | | Total | Time in U. S. before Admission | | | | | | | |
| | | | | | Native | | For- eign | | Mixed | | Unas- cer- tained | | | 15 years and over | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | | | | |
| Under 15 years | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | |
| 15-19 years | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — | — | 1 | 1 | — | 1 | | | |
| 20-24 years | 2 | 1 | 3 | — | 1 | 1 | — | — | — | 1 | 1 | — | — | 2 | — | 2 | — | 2 | | | |
| 25-29 years | 1 | — | 1 | — | — | — | — | — | — | — | — | — | — | 1 | — | 1 | — | 1 | | | |
| 30-34 years | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — | — | 1 | — | 1 | 1 | | | |
| 35-39 years | — | 5 | 5 | — | 4 | 4 | — | — | — | 3 | 3 | — | 1 | 1 | — | 1 | 1 | — | | | |
| 40-44 years | 2 | 2 | 4 | 1 | — | 1 | 1 | 1 | — | — | — | — | — | 1 | 2 | 3 | 1 | 2 | | | |
| 45-49 years | 2 | 1 | 3 | 2 | — | 2 | 1 | 1 | — | — | 1 | 1 | — | — | 1 | 1 | — | 1 | | | |
| 50-54 years | 2 | 6 | 8 | 2 | 5 | 7 | 1 | 3 | 4 | 1 | 1 | 2 | — | 1 | 1 | — | 1 | 1 | | | |
| 55-59 years | 1 | 1 | 1 | — | — | — | — | — | — | — | — | — | — | 1 | — | 1 | — | 1 | | | |
| 60-64 years | 9 | 1 | 10 | 2 | — | 2 | 1 | 1 | — | — | 1 | 1 | — | 7 | 1 | 8 | 7 | 1 | | | |
| 65-69 years | 4 | 1 | 5 | — | — | — | — | — | — | — | — | — | — | 4 | 1 | 5 | 4 | 1 | | | |
| 70 years and over | 7 | 4 | 11 | 4 | — | 4 | 1 | 1 | — | — | 1 | 1 | 2 | 2 | 3 | 4 | 7 | — | | | |
| Unascertained | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | |
| Total | 30 | 23 | 53 | 11 | 10 | 21 | 5 | 3 | 8 | 1 | 5 | 6 | 3 | 2 | 5 | 2 | — | 2 | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |

M — Male. F — Female. T — Total.

TABLE 5.—*Citizenship of First Admissions*

| | Males. | Females. | Total |
|--------------------------------------|--------|----------|-------|
| Citizens by birth | 11 | 10 | 21 |
| Citizens by naturalization | 4 | 2 | 6 |
| Aliens | 14 | 10 | 24 |
| Citizenship unascertained | 1 | 1 | 2 |
| Total | 30 | 23 | 53 |

TABLE 6.—*Psychoses of First Admissions*

| Psychoses | M | F | T | M | F | T |
|---|---|---|---|----|----|----|
| Senile psychoses | — | — | — | 3 | 5 | 8 |
| Psychoses with cerebral arteriosclerosis | — | — | — | 9 | 3 | 12 |
| General paralysis | — | — | — | — | — | — |
| Psychoses with cerebral syphilis | — | — | — | — | — | — |
| Psychoses with Huntington's chorea | — | — | — | — | 1 | 1 |
| Psychoses with brain tumor | — | — | — | — | — | — |
| Psychoses with other brain or nervous diseases, total | — | — | — | 3 | — | 3 |
| Tabes dorsalis | 2 | — | 2 | — | — | — |
| Other diseases | 1 | — | 1 | — | — | — |
| Alcoholic psychoses, total | — | — | — | 7 | — | 7 |
| Delirium tremens | 1 | — | 1 | — | — | — |
| Acute hallucinosis | 2 | — | 2 | — | — | — |
| Other types, acute or chronic | 4 | — | 4 | — | — | — |
| Psychoses with other somatic diseases, total | — | — | — | 2 | 1 | 3 |
| Cardio-renal diseases | 1 | — | 1 | — | — | — |
| Other diseases or conditions | 1 | 1 | 2 | — | — | — |
| Involution melancholia | — | — | — | 3 | — | 3 |
| Dementia praecox (schizophrenia) | — | — | — | — | 3 | 3 |
| Paranoia and paranoid conditions | — | — | — | — | 2 | 2 |
| Psychoses with mental deficiency | — | — | — | 2 | 5 | 7 |
| Without psychosis, total | — | — | — | 1 | 3 | 4 |
| Total | | | | 30 | 23 | 53 |

TABLE 7.—*Race of First Admissions Classified with Reference to Principal Psychoses*

| Race | Total | | | Senile | | With Cerebral Arteriosclerosis | | With Huntington's Chorea | | With other Brain or Nervous Diseases | | Alcoholic | | With other Somatic Diseases | | Involution Melancholia | | Dementia Praecox | | Paranoia and Paranoid Conditions | | With Mental Deficiency | | Without Psychosis | |
|--------------------|-------|----|----|--------|---|--------------------------------|---|--------------------------|---|--------------------------------------|---|-----------|---|-----------------------------|---|------------------------|---|------------------|---|----------------------------------|---|------------------------|---|-------------------|---|
| | M | F | T | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| Armenian | 2 | — | 2 | — | — | 1 | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Dutch and Flemish | 1 | — | 1 | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | |
| English | 3 | 7 | 10 | — | 1 | 2 | 1 | — | — | — | — | 1 | — | — | 1 | — | — | 1 | — | 1 | — | 1 | — | 1 | |
| Finnish | 1 | — | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| French | 3 | 3 | 6 | — | — | 2 | 1 | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | |
| German | 1 | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Hebrew | 1 | — | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Irish | 11 | 6 | 17 | — | 3 | 3 | — | — | — | — | 5 | — | — | — | 1 | — | — | 1 | — | 1 | — | 1 | — | 1 | |
| Italian* | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Lithuanian | 1 | 1 | 2 | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 | — | 1 | — | — | |
| Portuguese | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | |
| Scandinavian† | 1 | — | 1 | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | |
| Syrian | — | 1 | 1 | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Mixed | 1 | 2 | 3 | — | 1 | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | |
| Race unascertained | 4 | 1 | 5 | 2 | — | 1 | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | 1 | — | — | — | |
| Total | 30 | 23 | 53 | 3 | 5 | 9 | 3 | — | 1 | 3 | — | 7 | — | 2 | 1 | 3 | — | 3 | — | 2 | 5 | 1 | 3 | — | |

* Includes "North" and "South."

† Norwegians, Danes and Swedes.

M — Male. F — Female. T — Total.

TABLE 8.— *Age of First Admissions Classified with Reference to Principal Psychoses*

| Psychoses | Total | | | 15-19 | | | 20-24 | | | 25-29 | | | 30-34 | | | 35-39 | | | 40-44 | | | 45-49 | | | 50-54 | | | 55-59 | | | 60-64 | | | 65-69 | | | 70 years and over |
|--------------------------------------|-------|----|----|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|--|--|----------------------|
| | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | | | | | | | |
| Senile | 3 | 5 | 8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | | | |
| With cerebral arteriosclerosis | 9 | 3 | 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | - | | | | |
| With Huntington's chorea | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 4 | | | | |
| With other brain or nervous diseases | 3 | - | 3 | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| Alcoholic | 7 | - | 7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| With other somatic diseases | 2 | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| Involution melancholia | 3 | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | | | | |
| Dementia praecox | - | 3 | 3 | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | | | | |
| Paranoia and paranoid conditions | - | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | | | | |
| With mental deficiency | 2 | 5 | 7 | - | - | - | 1 | - | - | - | - | - | - | - | 3 | - | 1 | 1 | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | | | | |
| Without psychosis | 1 | 3 | 4 | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | | | | |
| Total | 30 | 23 | 53 | - | 1 | 2 | 1 | - | 1 | - | - | 1 | - | 5 | 2 | 2 | 2 | 1 | - | 2 | 6 | 1 | - | 9 | 1 | 4 | 1 | 7 | 4 | - | - | - | - | | | | |

TABLE 9.— *Degree of Education of First Admissions Classified with Reference to Principal Psychoses*

| Psychoses | Total | | | Illiterate | | | Reads and Writes | | | Common School | | | High School | | | Unaccredited | | |
|--------------------------------------|-------|----|----|------------|---|---|------------------|----|----|---------------|---|----|-------------|---|---|--------------|---|---|
| | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T |
| Senile | 3 | 5 | 8 | — | 1 | 1 | — | 1 | 1 | 2 | 3 | 5 | — | — | — | 1 | — | 1 |
| With cerebral arteriosclerosis | 9 | 3 | 12 | — | — | — | 4 | 2 | 6 | 4 | 1 | 5 | — | — | — | 1 | — | 1 |
| With Huntington's chorea | — | 1 | 1 | — | — | — | — | — | — | — | 1 | 1 | — | — | — | — | — | — |
| With other brain or nervous diseases | 3 | — | 3 | — | — | — | 2 | — | 2 | 1 | — | 1 | — | — | — | — | — | — |
| Alcoholic | 7 | — | 7 | — | — | — | 2 | — | 2 | 4 | — | 4 | 1 | — | 1 | — | — | — |
| With other somatic diseases | 2 | 1 | 3 | — | — | — | — | — | — | 2 | — | 2 | — | — | — | — | — | — |
| Involution melancholia | 3 | — | 3 | — | — | — | 1 | — | 1 | 2 | — | 2 | — | — | — | — | — | 1 |
| Dementia praecox | — | 3 | 3 | — | — | — | — | 1 | 1 | — | 1 | 1 | — | — | — | — | — | 1 |
| Paranoia and paranoid conditions | — | 2 | 2 | — | — | — | — | 1 | 1 | — | 1 | 1 | — | — | — | — | — | — |
| With mental deficiency | 2 | 5 | 7 | — | — | — | 2 | 4 | 6 | — | — | — | — | — | — | — | — | 1 |
| Without psychosis | 1 | 3 | 4 | — | — | — | 1 | 3 | 4 | — | — | — | — | — | — | — | — | — |
| Total | 30 | 23 | 53 | — | 1 | 1 | 12 | 12 | 24 | 15 | 7 | 22 | 1 | — | 1 | 2 | 3 | 5 |

TABLE 10.— *Environment of First Admissions Classified with Reference to Principal Psychoses*

| Psychoses | Total | | | Urban | | | Rural | | |
|--------------------------------------|-------|----|----|-------|----|----|-------|---|---|
| | M | F | T | M | F | T | M | F | T |
| Senile | 3 | 5 | 8 | 3 | 5 | 8 | — | — | — |
| With cerebral arteriosclerosis | 9 | 3 | 12 | 9 | 3 | 12 | — | — | — |
| With Huntington's chorea | — | 1 | 1 | — | 1 | 1 | — | — | — |
| With other brain or nervous diseases | 3 | — | 3 | 3 | — | 3 | — | — | — |
| Alcoholic | 7 | — | 7 | 7 | — | 7 | — | — | — |
| With other somatic diseases | 2 | 1 | 3 | 1 | 1 | 2 | 1 | — | 1 |
| Involution melancholia | 3 | — | 3 | 3 | — | 3 | — | — | — |
| Dementia praecox | — | 3 | 3 | — | 3 | 3 | — | — | — |
| Paranoia and paranoid conditions | — | 2 | 2 | — | 2 | 2 | — | — | — |
| With mental deficiency | 2 | 5 | 7 | 2 | 4 | 6 | — | 1 | 1 |
| Without psychosis | 1 | 3 | 4 | 1 | 3 | 4 | — | — | — |
| Total | 30 | 23 | 53 | 29 | 22 | 51 | 1 | 1 | 2 |

M — Male. F — Female. T — Total.

TABLE 11.— *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

| Psychoses | Total | | | Dependent | | Marginal | | Comfortable | | |
|--------------------------------------|-------|----|----|-----------|---|----------|----|-------------|---|---|
| | M | F | T | M | F | M | F | M | F | T |
| Senile | 3 | 5 | 8 | — | 1 | 3 | 4 | — | — | — |
| With cerebral arteriosclerosis | 9 | 3 | 12 | 2 | — | 7 | 3 | — | — | — |
| With Huntington's chorea | — | 1 | 1 | — | — | — | 1 | — | — | — |
| With other brain or nervous diseases | 3 | — | 3 | — | — | 3 | — | — | — | — |
| Alcoholic | 7 | — | 7 | — | — | 7 | — | — | — | — |
| With other somatic diseases | 2 | 1 | 3 | — | 1 | 2 | — | — | — | — |
| Involution melancholia | 3 | — | 3 | 1 | — | 2 | — | — | — | — |
| Dementia praecox | — | 3 | 3 | — | 1 | — | 2 | — | — | — |
| Paranoia and paranoid conditions | — | 2 | 2 | — | 1 | — | 1 | — | — | — |
| With mental deficiency | 2 | 5 | 7 | — | 1 | 2 | 4 | — | — | — |
| Without psychosis | 1 | 3 | 4 | — | — | 1 | 3 | — | — | — |
| Total | 30 | 23 | 53 | 3 | 5 | 27 | 18 | — | — | — |

TABLE 12.— *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

| Psychoses | Total | | | Abstinent | | | Temperate | | | Intemperate | | | Uncertained | | |
|--------------------------------------|-------|----|----|-----------|----|----|-----------|---|----|-------------|---|----|-------------|---|---|
| | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T |
| Senile | 3 | 5 | 8 | 1 | 3 | 4 | 1 | 1 | 2 | — | — | — | 1 | 1 | 2 |
| With cerebral arteriosclerosis | 9 | 3 | 12 | 1 | 3 | 4 | 4 | — | 4 | 4 | — | 4 | — | — | — |
| With Huntington's chorea | — | 1 | 1 | — | 1 | 1 | — | — | — | — | — | — | — | — | — |
| With other brain or nervous diseases | 3 | — | 3 | 1 | — | 1 | 1 | — | 1 | 1 | — | 1 | — | — | — |
| Alcoholic | 7 | — | 7 | — | — | — | — | — | — | 7 | — | 7 | — | — | — |
| With other somatic diseases | 2 | 1 | 3 | — | 1 | 1 | 2 | — | 2 | — | — | — | — | — | — |
| Involution melancholia | 3 | — | 3 | 1 | — | 1 | 1 | — | 1 | 1 | — | 1 | — | — | — |
| Dementia praecox | — | 3 | 3 | — | 1 | 1 | — | 1 | 1 | — | 1 | 1 | — | — | — |
| Paranoia and paranoid conditions | — | 2 | 2 | — | 2 | 2 | — | — | — | — | — | — | — | — | — |
| With mental deficiency | 2 | 5 | 7 | — | 3 | 3 | 2 | 1 | 3 | — | 1 | 1 | — | — | — |
| Without psychosis | 1 | 3 | 4 | — | 3 | 3 | 1 | — | 1 | — | — | — | — | — | — |
| Total | 30 | 23 | 53 | 4 | 17 | 21 | 12 | 3 | 15 | 13 | 2 | 15 | 1 | 1 | 2 |

TABLE 13.— *Marital Condition of First Admissions Classified with Reference to Principal Psychoses*

| Psychoses | Total | | | Single | | | Married | | | Widowed | | | Divorce | |
|--------------------------------------|-------|----|----|--------|---|----|---------|---|----|---------|---|----|---------|---|
| | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| Senile | 3 | 5 | 8 | 1 | 1 | 2 | — | — | — | 2 | 4 | 6 | — | — |
| With cerebral arteriosclerosis | 9 | 3 | 12 | 3 | — | 3 | 2 | — | 2 | 3 | 3 | 6 | 1 | — |
| With Huntington's chorea | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — | 1 |
| With other brain or nervous diseases | 3 | — | 3 | 2 | — | 2 | 1 | — | 1 | — | — | — | — | — |
| Alcoholic | 7 | — | 7 | 4 | — | 4 | 1 | — | 1 | 1 | — | 1 | 1 | — |
| With other somatic diseases | 2 | 1 | 3 | — | — | — | 2 | — | 2 | — | — | — | — | 1 |
| Involution melancholia | 3 | — | 3 | 1 | — | 1 | 2 | — | 2 | — | — | — | — | — |
| Dementia praecox | — | 3 | 3 | — | — | — | — | 2 | 2 | — | 1 | 1 | — | — |
| Paranoia and paranoid conditions | — | 2 | 2 | — | 2 | 2 | — | — | — | — | — | — | — | — |
| With mental deficiency | 2 | 5 | 7 | 2 | — | 2 | — | 4 | 4 | — | 1 | 1 | — | — |
| Without psychosis | 1 | 3 | 4 | 1 | 2 | 3 | — | 1 | 1 | — | — | — | — | — |
| Total | 30 | 23 | 53 | 14 | 5 | 19 | 8 | 7 | 15 | 6 | 9 | 15 | 2 | 4 |

M — Male. F — Female. T — Total.

TABLE 14.— *Psychoses of Readmissions*

| | Psychoses | | | M | F | T |
|--------------------------------------|-----------|---|---|---|---|---|
| | | | | | | |
| Alcoholic psychoses | . | . | . | 1 | - | 1 |
| Manic-depressive psychoses | . | . | . | - | 1 | 1 |
| Total | . | . | . | 1 | 1 | 2 |

TABLE 15.— *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

| Psychoses | Total | | | Recovered | | | Improved | | | Unimproved | | |
|---|-------|---|---|-----------|---|---|----------|---|---|------------|---|---|
| | M | F | T | M | F | T | M | F | T | M | F | T |
| Alcoholic | - | 1 | 1 | - | 1 | 1 | - | - | - | - | - | - |
| Dementia praecox | 2 | 3 | 5 | - | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 |
| With psychopathic personality | - | 1 | 1 | - | - | - | - | 1 | 1 | - | - | - |
| With mental deficiency | 1 | 1 | 2 | - | - | - | - | 1 | 1 | 1 | - | 1 |
| Total | 3 | 6 | 9 | - | 2 | 2 | 1 | 3 | 4 | 2 | 1 | 3 |

TABLE 16.— *Causes of Death of Patients Classified with Reference to Principal Psychoses*

| Causes of Death | Total | | | Senile | With Cerebral Arteriosclerosis | General Paralysis | Alcoholic | Involution Melancholia | Dementia Praecox | Epileptic Psychoses | All Other Psychoses* |
|--|-------|----|----|--------|--------------------------------|-------------------|-----------|------------------------|------------------|---------------------|----------------------|
| | M | F | T | | | | | | | | |
| Tuberculosis of the respiratory system | 6 | 4 | 10 | - | - | - | - | - | 6 | 3 | - 1 |
| Syphilis (non-nervous forms) | 1 | - | 1 | - | - | - | - | - | - | - | 1 - |
| Cancer and other malignant tumors | - | 1 | 1 | - | - | - | - | - | - | 1 | - - |
| General paralysis of the insane | 1 | - | 1 | - | - | 1 | - | - | - | - | - - |
| Epilepsy | - | 1 | 1 | - | - | - | - | - | - | 1 | - - |
| Other diseases of the nervous system | 1 | - | 1 | - | - | - | - | - | 1 | - | - - |
| Endocarditis and myocarditis | 3 | 2 | 5 | 1 | 1 | - | 1 | 1 | - | 1 | - - |
| Arteriosclerosis | 9 | 9 | 18 | 7 | 5 | 1 | 1 | - | 3 | - | - - |
| Lobar pneumonia | 1 | 3 | 4 | - | - | - | - | - | 3 | - | 1 - |
| Other diseases of the respiratory system (tuberculosis excepted) | - | 2 | 2 | - | - | - | - | 1 | - | 1 | - - |
| Cirrhosis of liver | - | 1 | 1 | - | - | - | - | - | 1 | - | - - |
| Total | 22 | 23 | 45 | 8 | 5 | 2 | 1 | - 1 | 7 | 12 | - 2 2 1 |

* Includes group 22, "without psychosis."

M — Male. F — Female. T — Total.

TABLE 17.— *Age of Patients at Time of Death Classified with Reference to Principal Psychoses*

| Psychoses | Total | | | 20-24 | | 25-29 | | 30-34 | | 35-39 | | 40-44 | | 45-49 | | 50-54 | | 55-59 | | 60-64 | | 65-69 | | Over 70 | |
|--------------------------------|-------|----|----|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|---------|----|
| | M | F | T | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| Senile | 8 | 5 | 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 6 | 4 |
| With cerebral arteriosclerosis | 2 | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 | - | - |
| General paralysis | 1 | - | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| With cerebral syphilis | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alcoholic | 2 | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| Involution melancholia | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 1 | - |
| Dementia præcox | 7 | 12 | 19 | - | - | - | - | - | - | 3 | - | 2 | - | 3 | - | 1 | 1 | 1 | 1 | - | 1 | 1 | - | 6 | - |
| Epileptic psychoses | - | 2 | 2 | - | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Without psychosis | 1 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - |
| Total | 22 | 23 | 45 | - | 1 | - | - | - | - | 3 | - | 3 | - | 5 | - | 2 | 1 | 2 | 1 | 1 | 1 | 3 | 3 | 8 | 11 |

TABLE 18.— *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses*

| Psychoses | Total | | | Months | | | Years | | | | | | | | | | | | |
|--------------------------------|-------|----|----|--------|-----|------|-------|-----|-----|-----|------|-------|-------|-------|---------|---|---|---|---|
| | | | | 1-3 | 4-7 | 8-12 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-19 | Over 20 | | | | |
| | M | F | T | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| Senile | 8 | 5 | 13 | 1 | 1 | 3 | - | 1 | 1 | 2 | 1 | 1 | 1 | - | - | - | - | - | - |
| With cerebral arteriosclerosis | 2 | 1 | 3 | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - |
| General paralysis | 1 | - | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| With cerebral syphilis | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alcoholic | 2 | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Involution melancholia | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Dementia præcox | 7 | 12 | 19 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Epileptic psychoses | - | 2 | 2 | - | - | - | - | - | - | 2 | - | 1 | - | 1 | 1 | 1 | 1 | 2 | 1 |
| Without psychosis | 1 | 1 | 2 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Total | 22 | 23 | 45 | 1 | 1 | 3 | - | 2 | 1 | 5 | 1 | 2 | - | 2 | - | 1 | 2 | 1 | 2 |

M — Male. F — Female. T — Total.